

Aviation Digital Data Service (ADDS)

Output produced by TAFs form (1605 UTC 09 April 2008) found at http://adds.aviationweather.gov/tafs/index.php

Forecast for: PAFA (FAIRBANKS, AK, US) Text: PAFA 091125Z 091212 VRB04KT P6SM FEW060 SCT180 Forecast period: 1200 to 2200 UTC 09 April 2008 Forecast type: FROM: standard forecast or significant change Winds: variable direction winds at 5 MPH (4 knots; 2.1 m/s) Visibility: 6 or more miles (10+ km) Clouds: few clouds at 6000 feet AGL scattered clouds at 18000 feet AGL Weather: no significant weather forecast for this period Text: FM2200 VRB03KT P6SM SCT070 BKN100 Forecast period: 2200 UTC 09 April 2008 to 0500 UTC 10 April 2008 Forecast type: FROM: standard forecast or significant change Winds: variable direction winds at 3 MPH (3 knots; 1.6 m/s) Visibility: 6 or more miles (10+ km) Ceiling: 10000 feet AGL Clouds: scattered clouds at 7000 feet AGL broken clouds at 10000 feet AGL Weather: no significant weather forecast for this period Text: FM0500 VRB03KT P6SM SCT040 OVC060 Forecast period: 0500 to 1200 UTC 10 April 2008 Forecast type: FROM: standard forecast or significant change Winds: variable direction winds at 3 MPH (3 knots; 1.6 m/s) Visibility: 6 or more miles (10+ km) Ceiling: 6000 feet AGL Clouds: scattered clouds at 4000 feet AGL overcast cloud deck at 6000 feet AGL Weather: no significant weather forecast for this period

NWS Forecast for: MIDDLE TANANA VALLEY-INCLUDING...FAIRBANKS

301 AM ADT WED APR 9 2008

.TODAY...PARTLY CLOUDY. ISOLATED SNOW SHOWERS IN THE AFTERNOON. HIGHS 30 TO 35. LIGHT WINDS.

.TONIGHT...MOSTLY CLOUDY. SCATTERED SNOW SHOWERS IN THE EVENING, THEN A CHANCE OF SNOW AFTER MIDNIGHT. LOWS 10 TO 20. NORTHWEST WINDS AROUND 10 MPH.

.THURSDAY...MOSTLY CLOUDY WITH A CHANCE OF SNOW. HIGHS AROUND 30. WEST WINDS AROUND 10 MPH. THURSDAY NIGHT...MOSTLY CLOUDY WITH A CHANCE OF SNOW. LOWS AROUND 15.

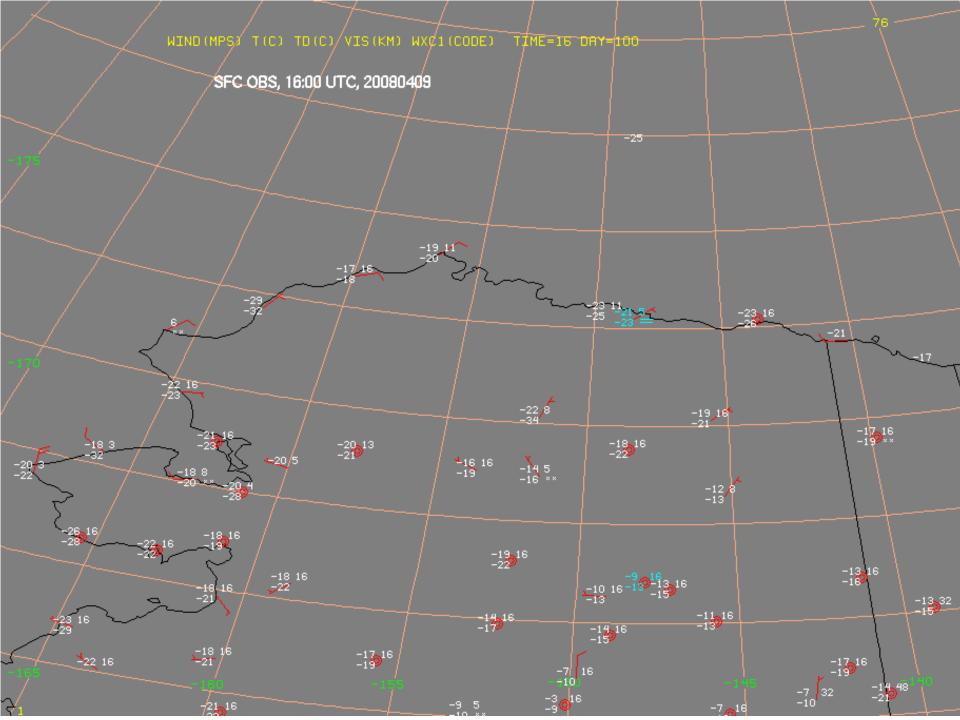
.FRIDAY...MOSTLY CLOUDY WITH A CHANCE OF SNOW. HIGHS 30 TO 35.

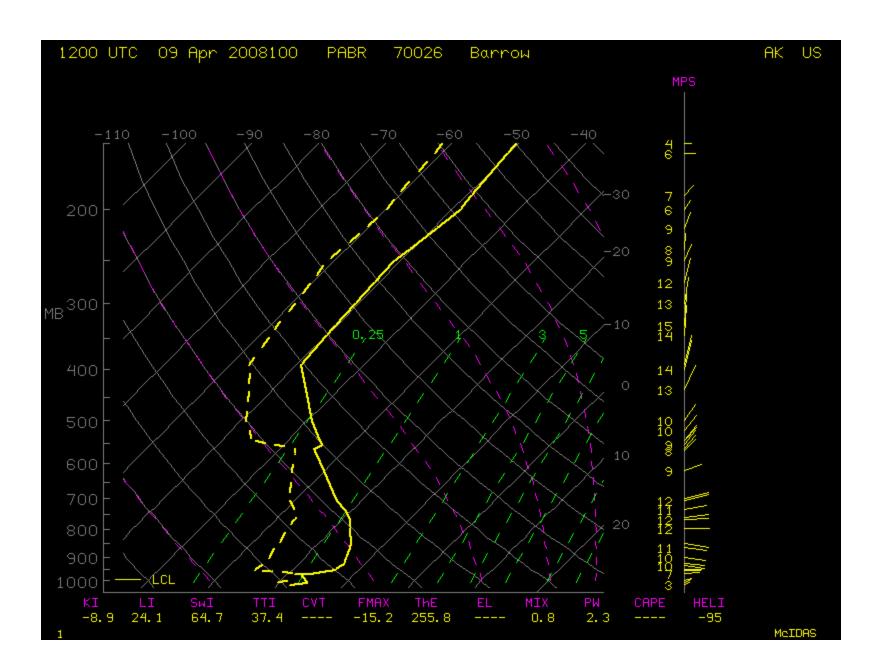
LIGHT WINDS. FRIDAY NIGHT...CLOUDY WITH A CHANCE OF SNOW. LOWS NEAR 15.

.SATURDAY...MOSTLY CLOUDY WITH A CHANCE OF SNOW. HIGHS NEAR 35. SATURDAY NIGHT...MOSTLY CLOUDY WITH A CHANCE OF SNOW. LOWS NEAR 15.

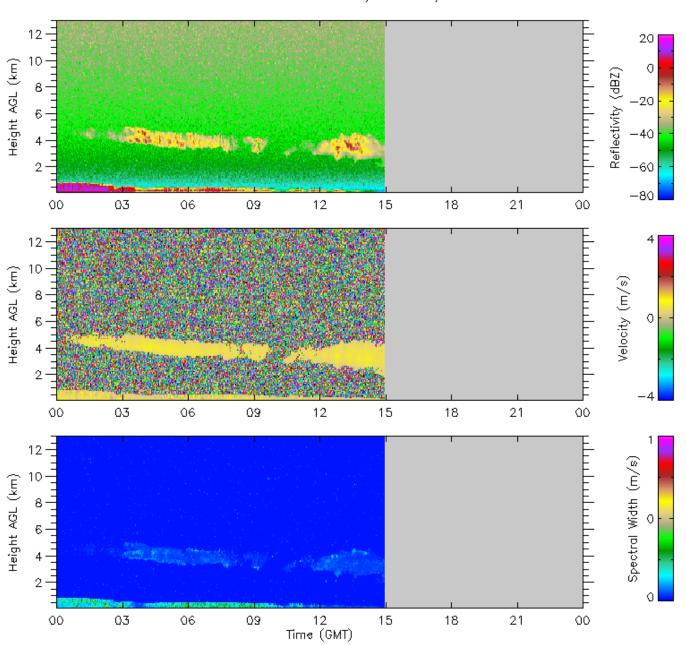
.SUNDAY...MOSTLY CLOUDY. HIGHS NEAR 40. SUNDAY NIGHT...MOSTLY CLOUDY. LOWS NEAR 20.

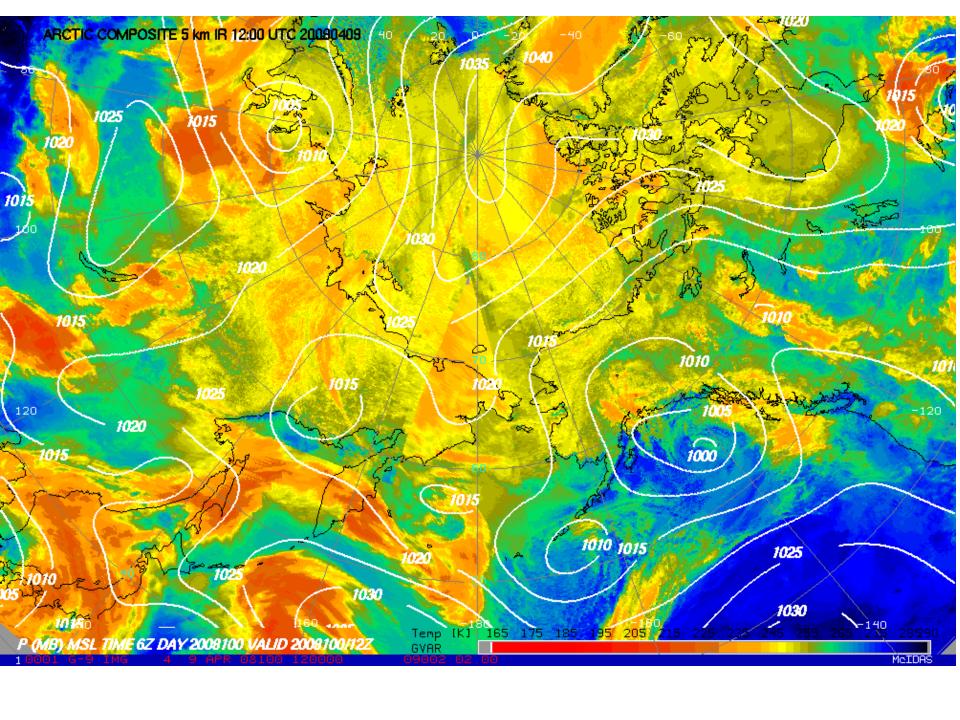
.MONDAY...MOSTLY CLOUDY. HIGHS NEAR 40.

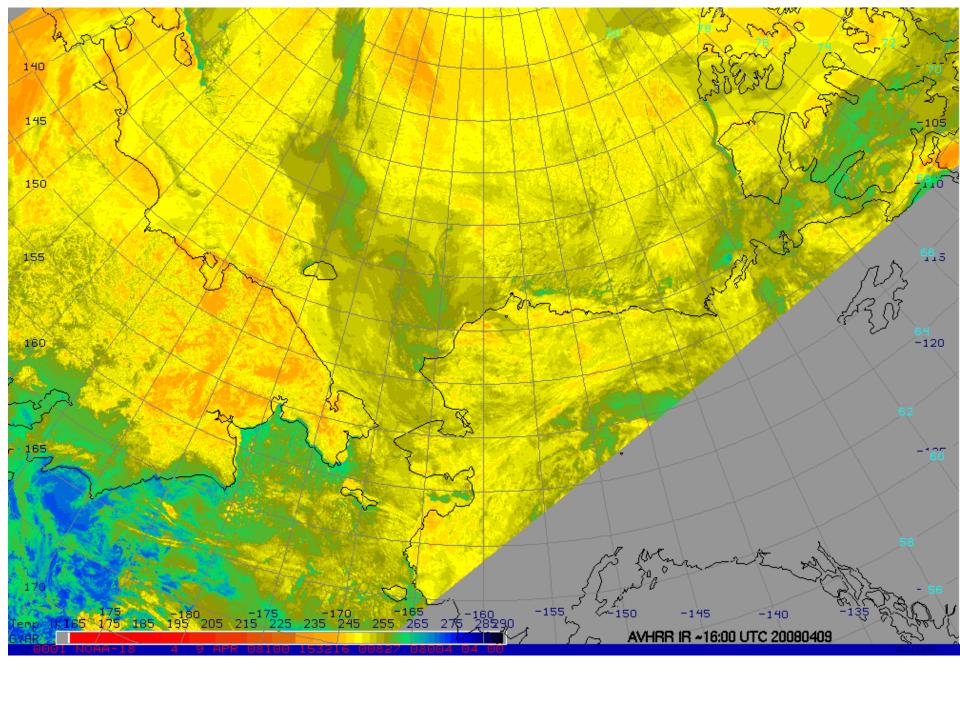


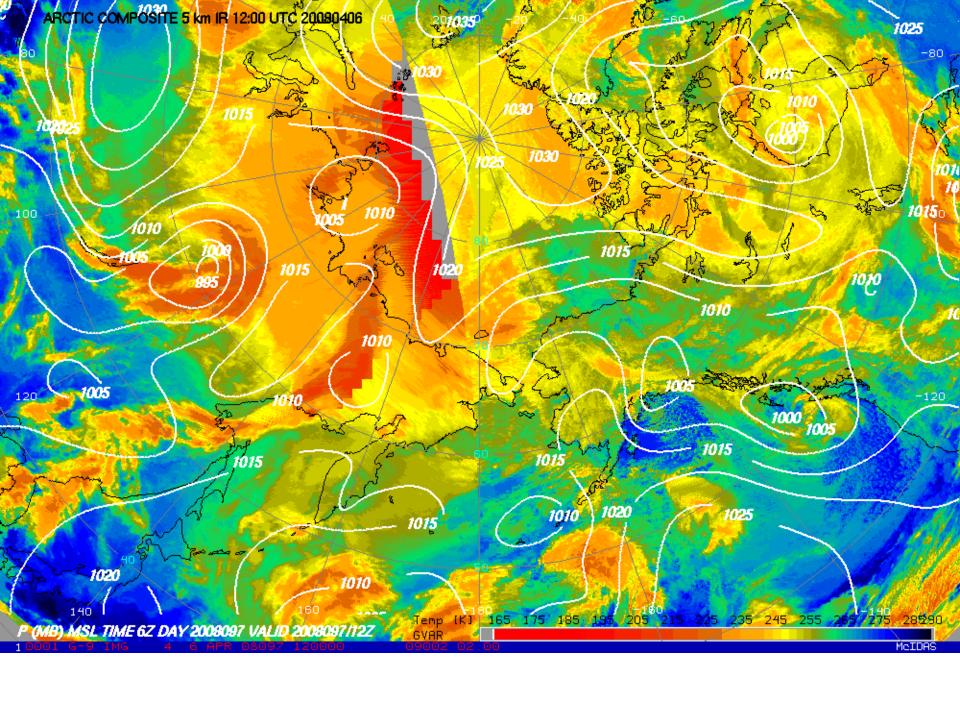


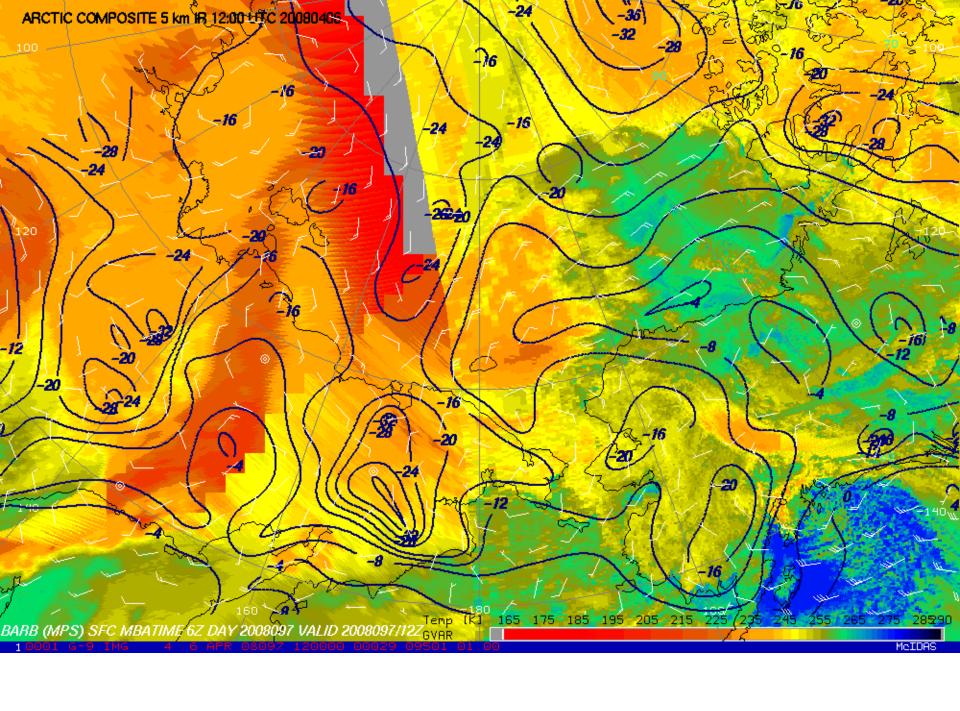
20080409 nsammcrmomC1.b1, General, Mode 3

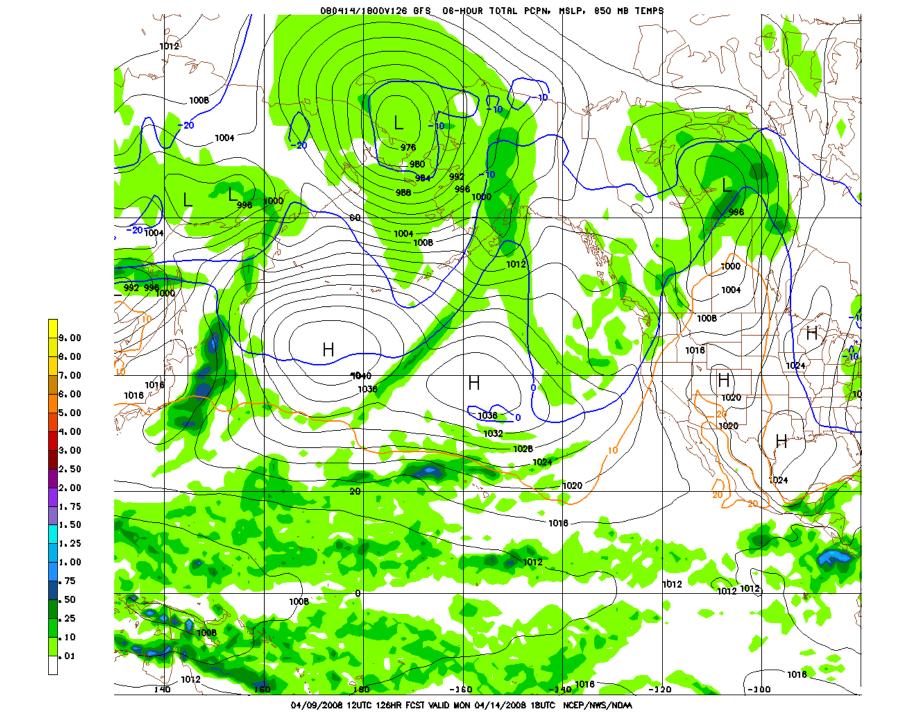


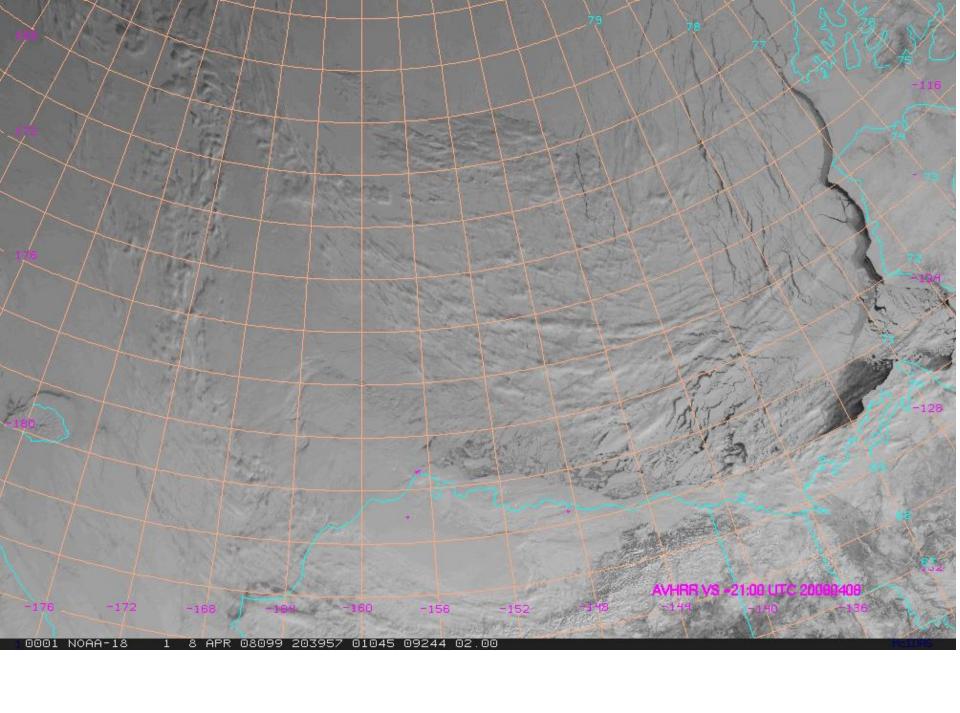


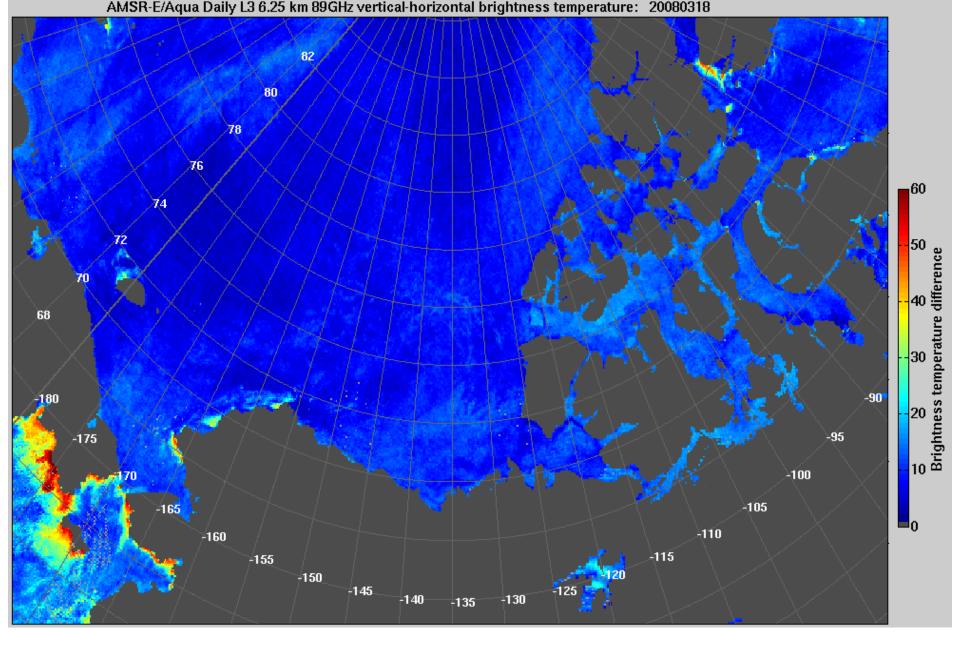


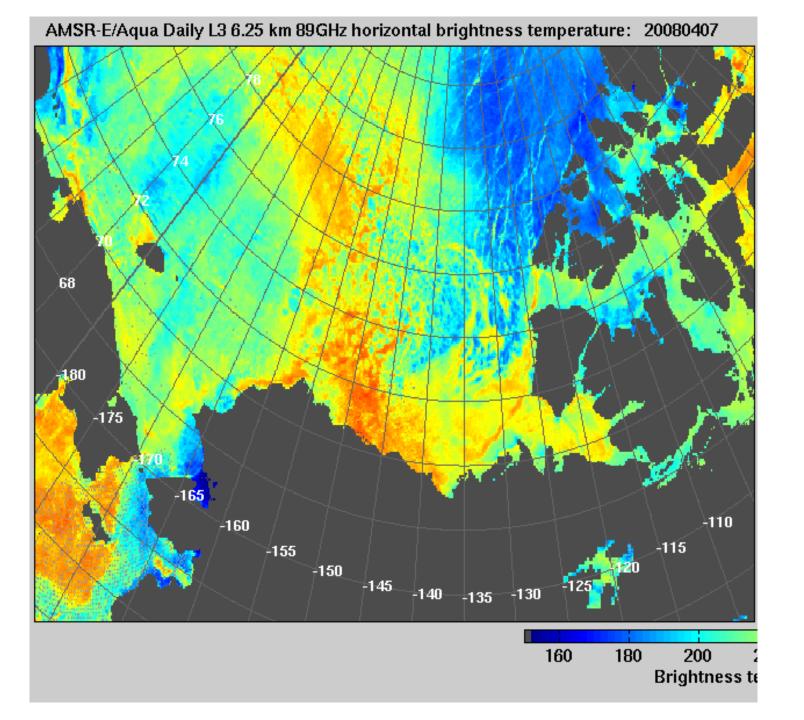




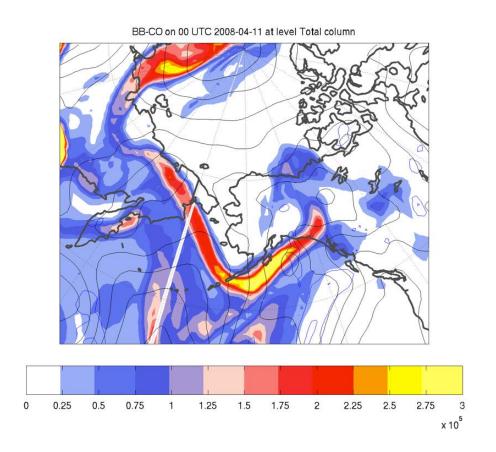


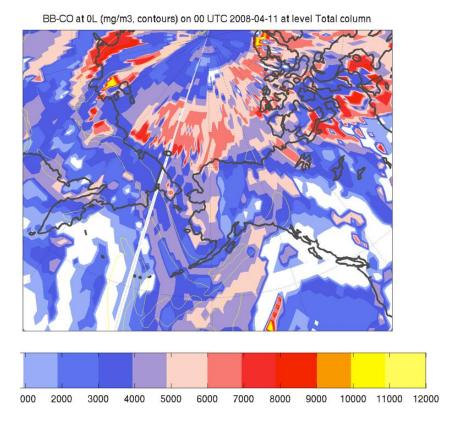






biomass burning CO on 00Z 11 Apr



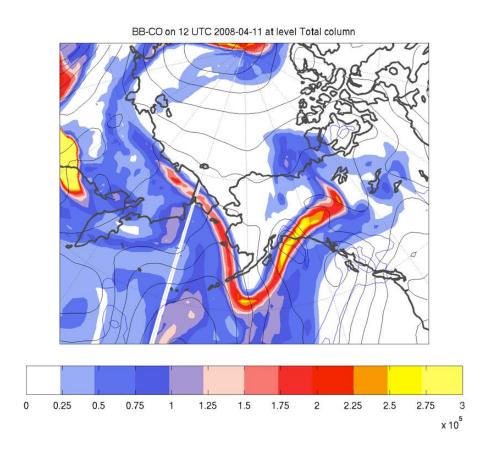


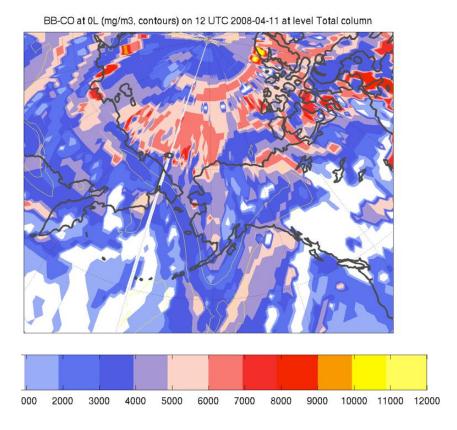
TOC CO

Alt of plume max

FC from 12Z 20080408

biomass burning CO on 12Z 11 Apr



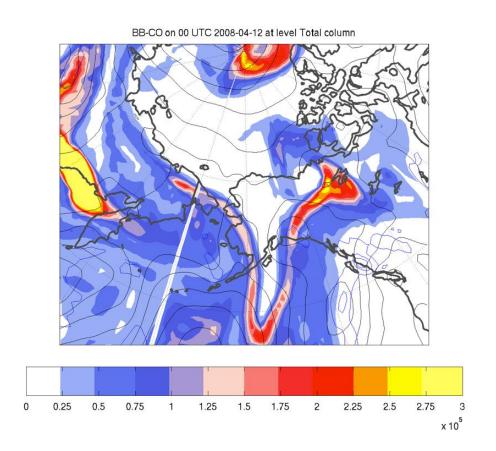


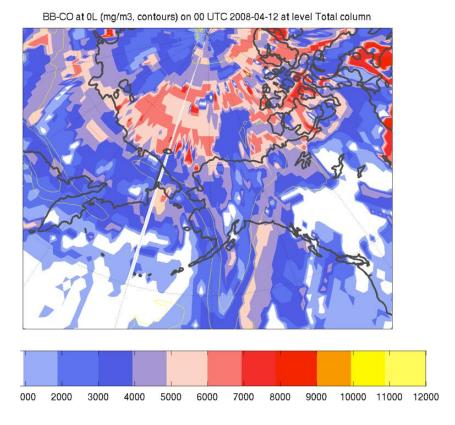
TOC CO

Alt of plume max

FC from 12Z 20080408

biomass burning CO on 00Z 12 Apr



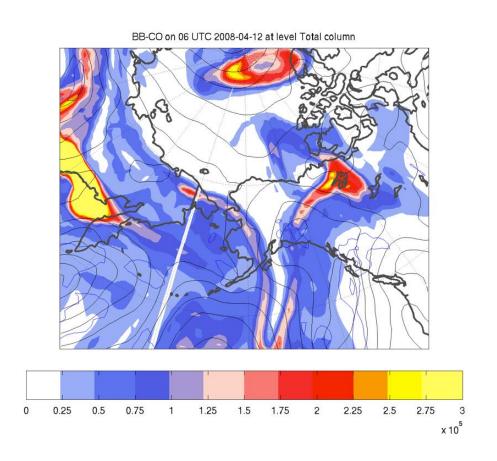


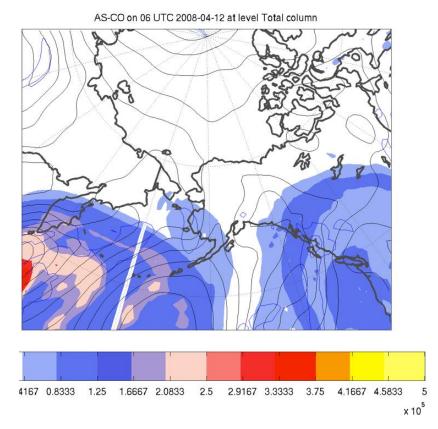
TOC CO

Alt of plume max

FC from 12Z 20080408

Asian and biomass burning CO on 06Z 12 Apr



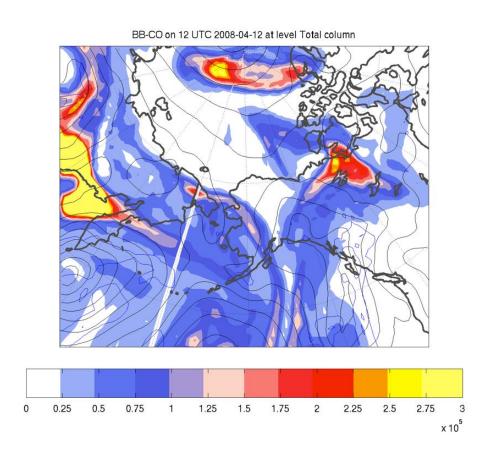


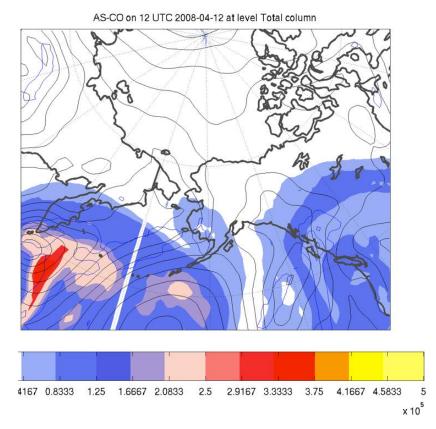
TOC CO biomass

FC from 12Z 20080408

TOC CO Asia

Asian and biomass burning CO on 12Z 12 Apr



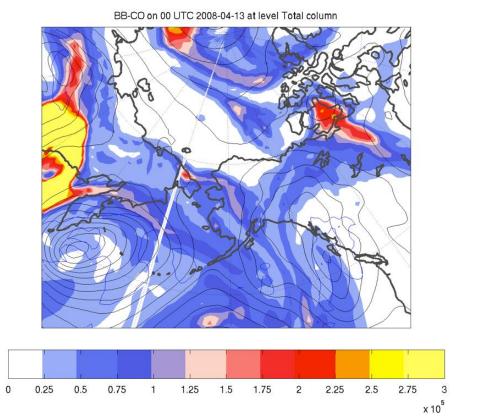


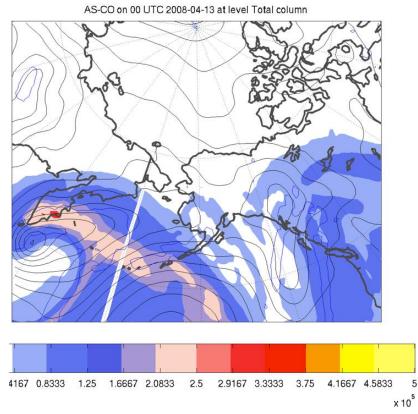
TOC CO biomass

FC from 12Z 20080408

TOC CO Asia

Asian and biomass burning CO on 00Z 13 Apr



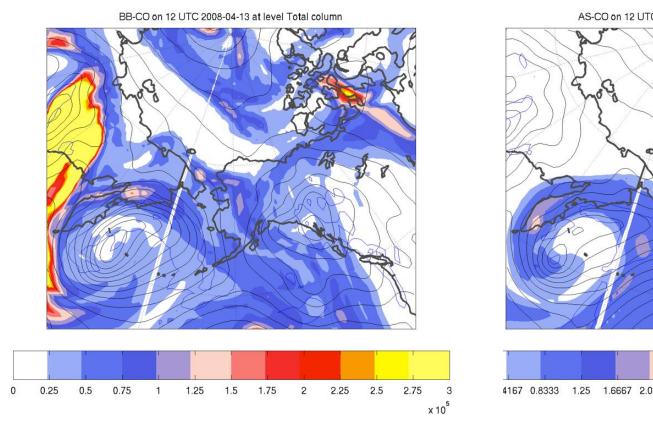


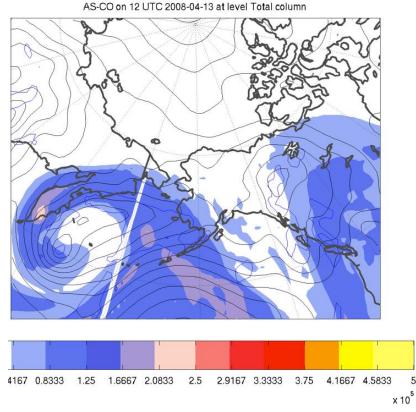
TOC CO biomass

FC from 12Z 20080408

TOC CO Asia

Asian and biomass burning CO on 12Z 13 Apr

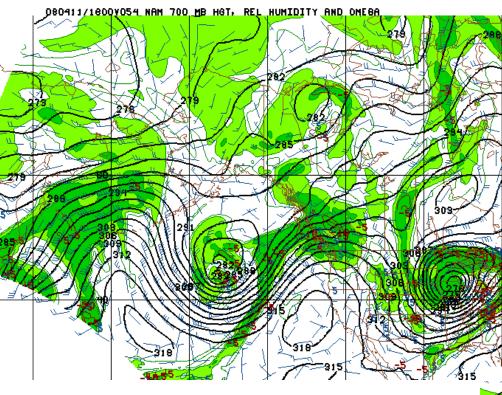




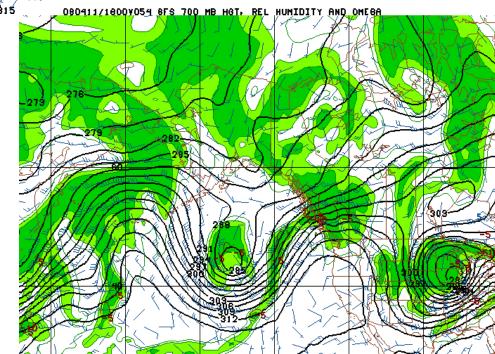
TOC CO biomass

FC from 12Z 20080408

TOC CO Asia

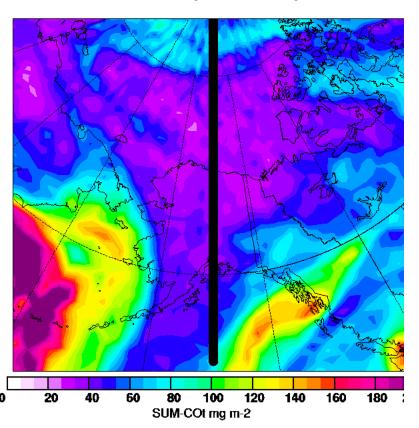


Friday: GFS vs NAM

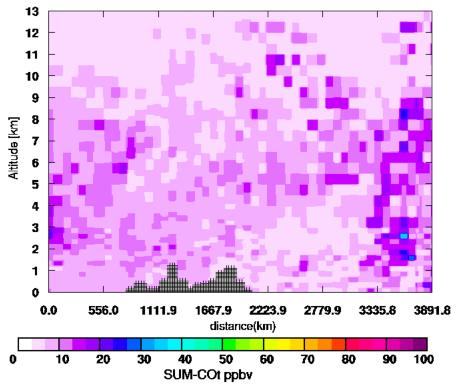


Fri. and Sat.:Anthropogenic CO

Total column of species SUM-CO for age class 0 - 20.00 DAYS
Latest analysis time 20080409. 60000 Actual time 20080411.180000
Mean value 0.950E+02 Maximum value 0.735E+03 Minimum value 0.1
Distance of grid lines 20.0 deg

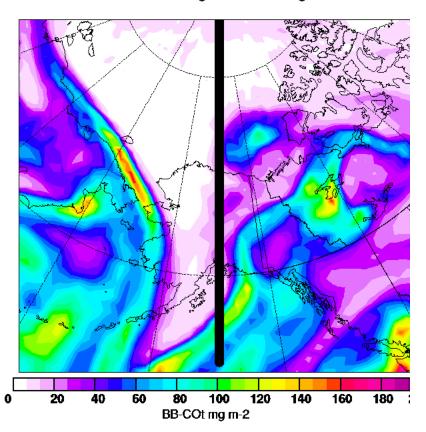




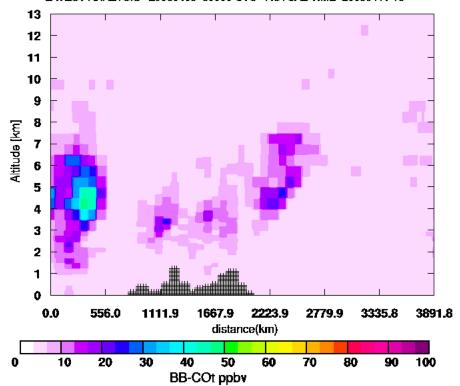


Biomass Burning

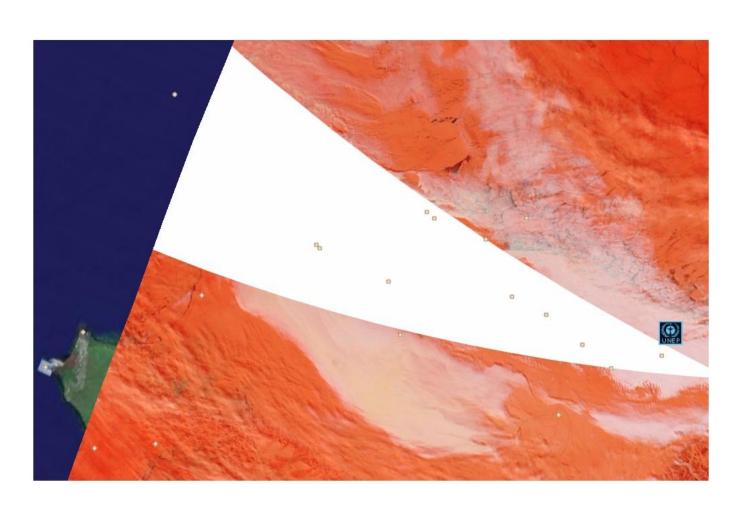
Total column of species BB-COt for age class 0 - 20.00 DAYS
Latest analysis time 20080409. 60000 Actual time 20080411.180000
Mean value 0.421E+02 Maximum value 0.843E+03 Minimum value 0.2
Distance of grid lines 20.0 deg

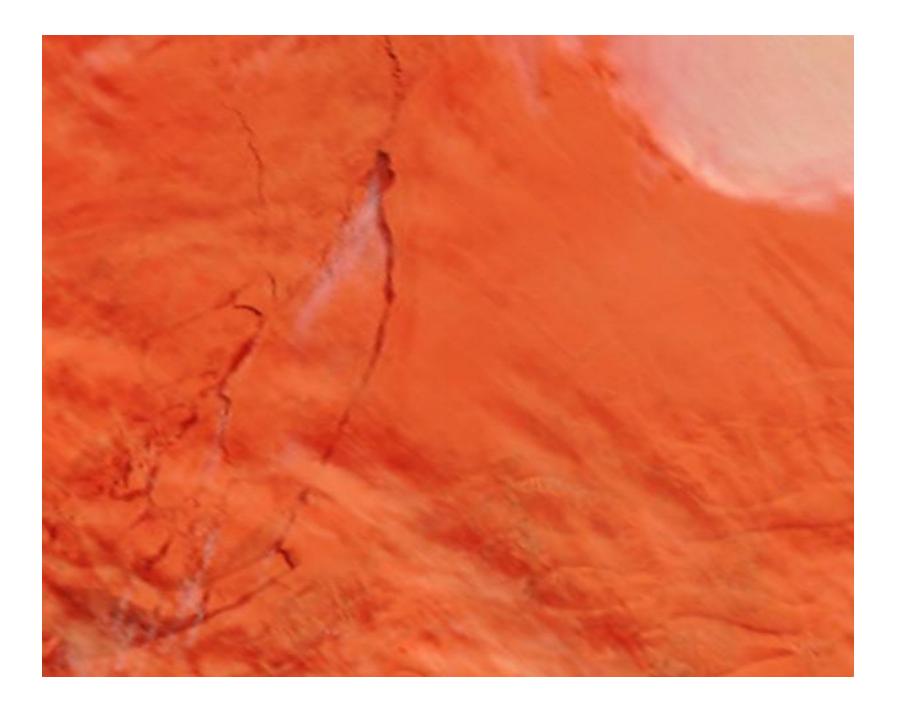


CROSS SECTION FROM 52 TO 87 LATITUDE AND -150 TO -146 LONGITUDE BB-COt MIXING RATIO FOR AGE CLASS 0 - 20.00 DAYS LATEST ANALYSIS 20080409 60000 UTC ACTUAL TIME 20080411 18



Convective cloud over lead(s) April 9, 00Z

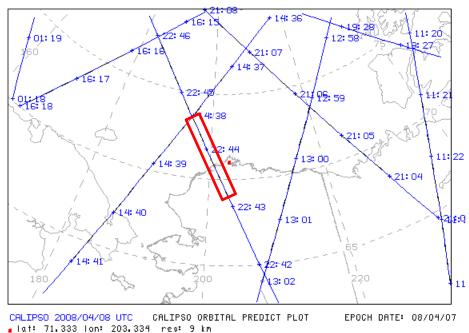




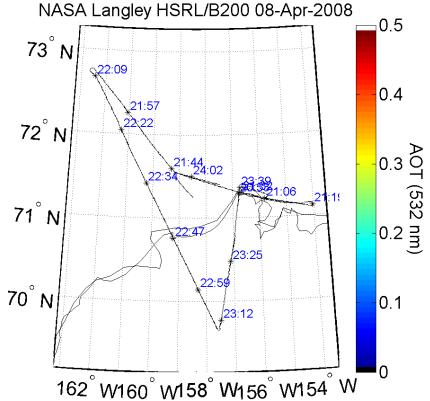
RAQMS Fairbanks Local FX Discussion:

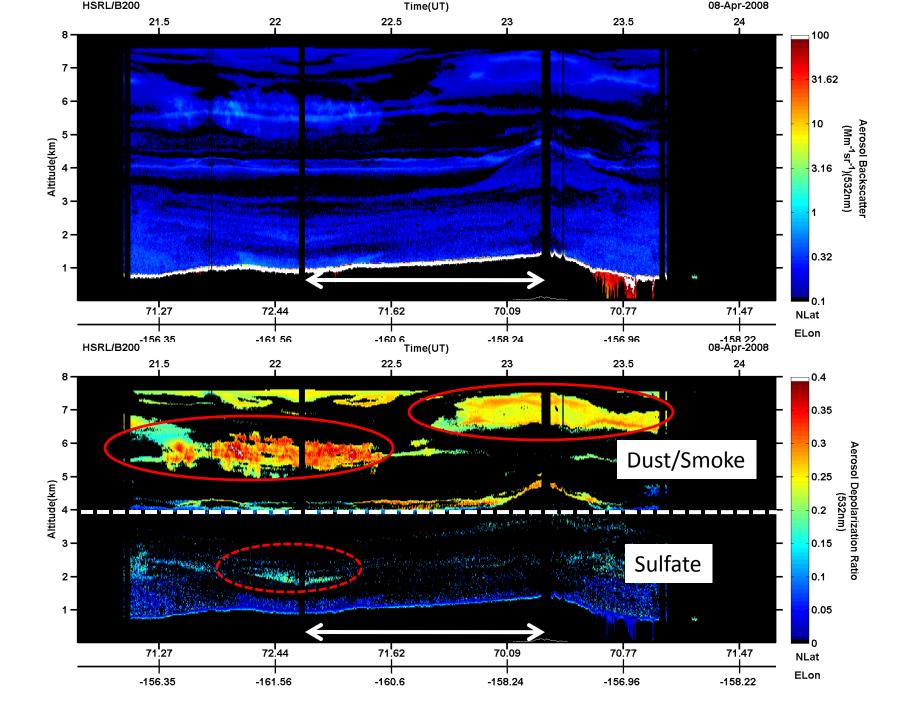
00Z 04/12/2008 (84hr) 00Z 04/13/2008 (108hr)

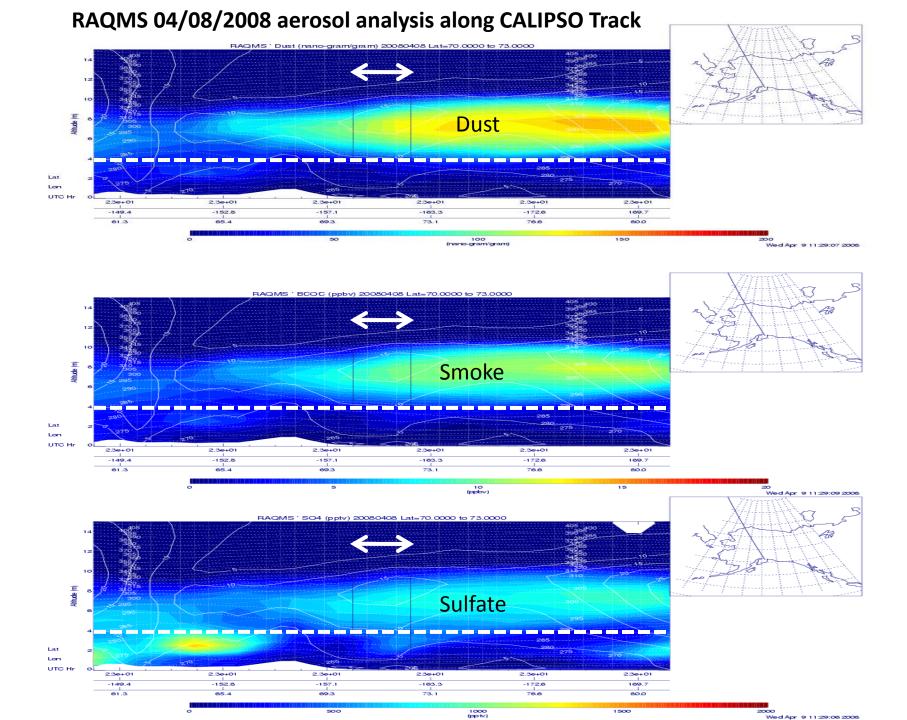
initialized 12Z 04/08/2008

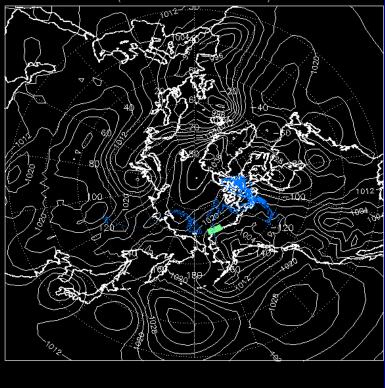


HSRL CALIPSO Validation

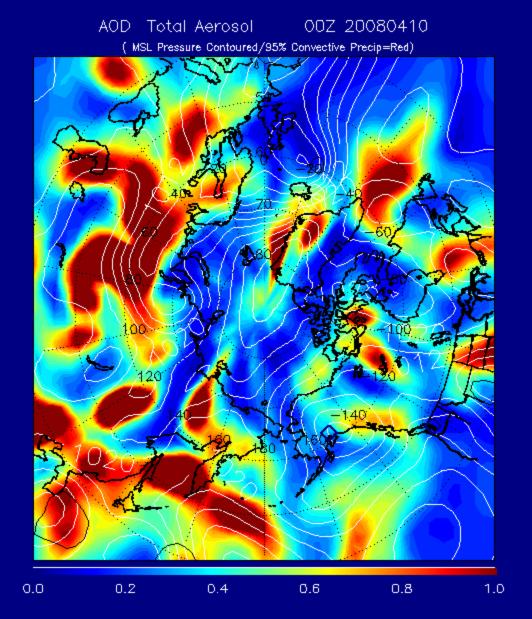






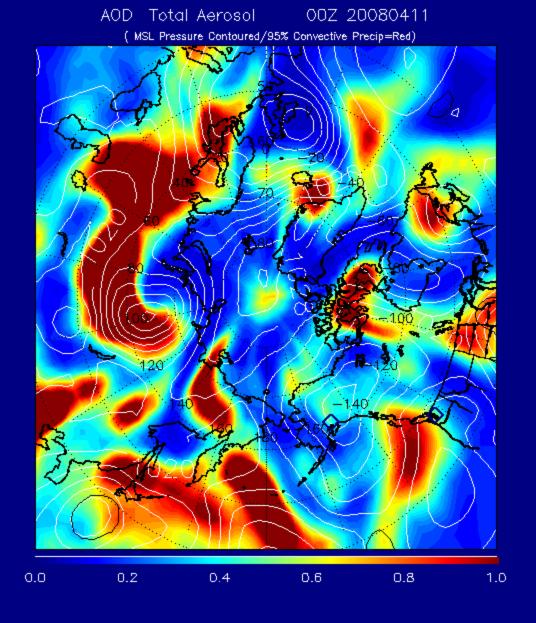


00Z 04/10 (Wed afternoon)



 $RAQMS_{G}$ 24hr ASSIM + 36hr Fx Initialized 12Z 20080407

00Z 04/10 (Wed afternoon)



 $RAQMS_{G}$ 24hr ASSIM + 60hr Fx Initialized 12Z 20080407

00Z 04/10 (Wed afternoon)

0.0

0.2

AOD Total Aerosol 00Z 20080412 (MSL Pressure Contoured/95% Convective Precip=Red)

RAQMS_G 24hr ASSIM + 84hr Fx Initialized 12Z 20080407

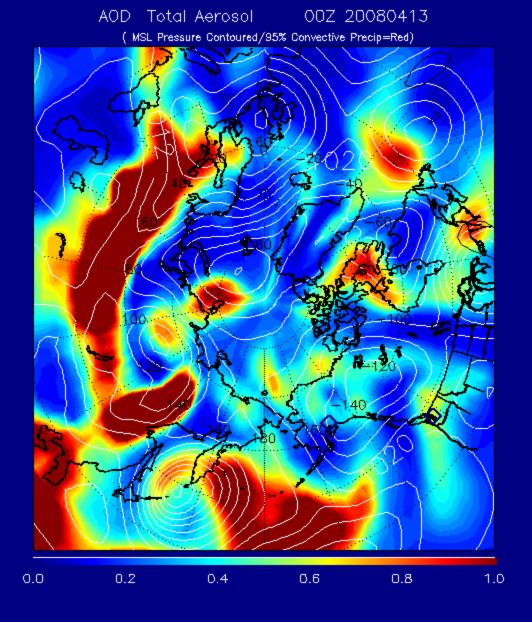
0.6

8.0

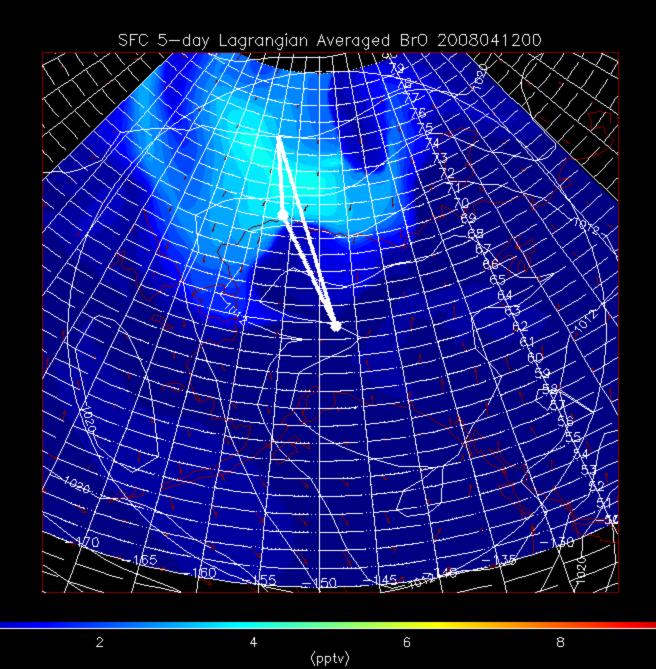
1.0

0.4

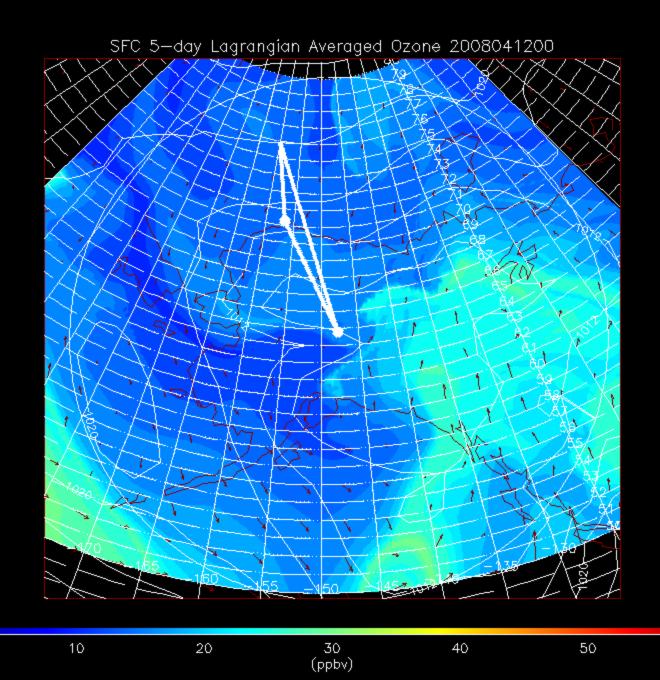
00Z 04/10 (Wed afternoon)



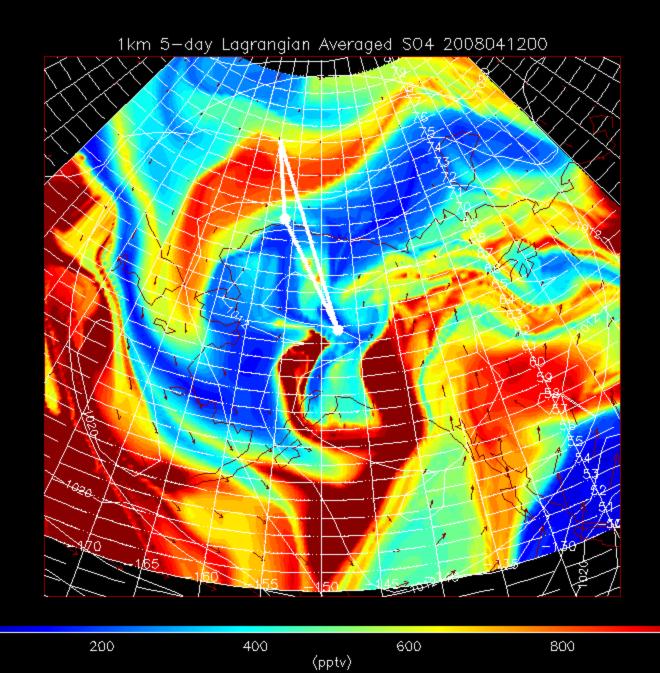
RAQMS₆ 24hr ASSIM + 108hr Fx Initialized 12Z 20080407



84hr FX ibro Cl= 0.500000 max= 4.70960 RAQMS_20080412_00Z_84hr_fcst_rdf_curtain_arcpac.dat Altitude (AGL) m GMT (hrs)



84hr FX iox Cl= 5.00000 max= 265.691 RAQMS_20080412_00Z_84hr_fcst_rdf_curtain_arcpac.dat Altitude (AGL) m GMT (hrs)



84hr FX iso4 Cl= 34.0000 max= 1034.18 RAQMS_20080412_00Z_84hr_fcst_rdf_curtain_arcpac.dat

